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TITLE: IMAGE DISPLAY DEVICE AND ITS DRIVING METHOD

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ABSTRACT:

PURPOSE: To obtain the brightness of a thin-film pixel element faithful to input video signals by specifying input voltage and the current flowing to a nonlinear element for controlling light emission to a primary proportional relation.

CONSTITUTION: This image display element has, in every one pixel, the thin-film pixel element, the nonlinear element for controlling the light emission of the thin-film pixel element, a capacitor for signal holding connected to the gate electrode of the nonlinear element, a nonlinear element for writing data to this capacitor, a second nonlinear element 2 having the characteristics similar to the characteristics of the nonlinear element for controlling light emission and a reference conversion section 1 for inputting the image signal VLo adjusted by referring to the output of the second nonlinear element 2 to the nonlinear element for controlling light emission.

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